

Converting Colors

$Yxy(33.4454, 0.2223, 0.3005)$

Have a look what the booklet for
Yxy(33.4454, 0.2223, 0.3005)
contains.

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Color

Yxy(33.2922, 0.2220, 0.2992)

Conversions

Conversions Part 1

Format	Color
Hex	2AABBD
RGB	42, 171, 189
RGB Percent	16%, 67%, 74%
CMY	0.8355, 0.3294, 0.2588
CMYK	0.78, 0.10, 0.00, 0.26
HSL	187°, 64%, 45%
HSV	187°, 78%, 74%
XYZ	24.7021, 33.2922, 53.2764
YIQ	134.4810, -82.6620, -21.7500

Conversions

Conversions Part 2

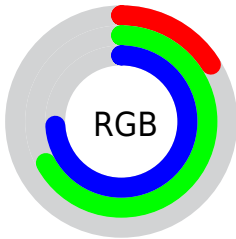
Format	Color
R _Y B	42, 111, 189
Decimal	2796477
CIE Lab	64.40, -27.46, -18.98
CIE LCh	64, 33.380, 214.661
Yxy	33.2922, 0.2220, 0.2992
Android (android.graphics.Color)	4280986557 (0xFF2AABBD)
YUV	134.4810, 26.8779, -81.1058
Hunter-Lab	57.6994, -24.5550, -14.3555

Details

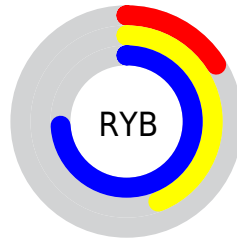
The Yxy color **33.2922, 0.2220, 0.2992** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.2139, 0.5622, 0.3471**, and the grayscale version is **23.9428, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.9755, 0.2390, 0.3067**, and **14.7344, 0.2133, 0.2877** is the 20% darker color. If you saturate the color by 10%, you get **32.1182, 0.2174, 0.2949**, and if you desaturate by 10%, it is **34.6717, 0.2285, 0.3035**.

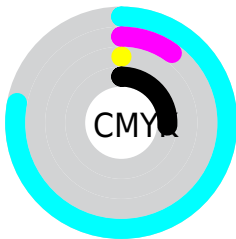
Distribution



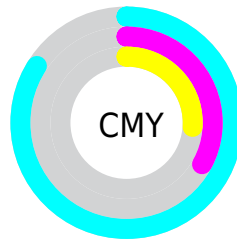
- Red (16%)
- Green (67%)
- Blue (74%)



- Red (16%)
- Yellow (44%)
- Blue (74%)



- Cyan (78%)
- Magenta (10%)
- Yellow (0%)
- Black (26%)




- Cyan (84%)
- Magenta (33%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.2922, 0.2220, 0.2992 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 33.2922, 0.2220, 0.2992 by changing the saturation by 10% instead.


 33.2922, 0.2220,
0.2992


 33.2922, 0.2220,
0.2992

316.9643, 0.2682,
0.3163

 22.3504, 0.2104,
0.2942


 64.8315, 0.2389,
0.3059

 14.1146, 0.1955,
0.2874


 86.1977, 0.2452,
0.3083

 8.2004, 0.1759,
0.2775


 111.8075, 0.2505,
0.3103

 4.2234, 0.1490,
0.2623

 142.0453, 0.2551,
0.3119

 1.7993, 0.1112,
0.2369

 177.2955, 0.2590,
0.3132

 0.4868, 0.0000,
0.1838

217.9425, 0.2624,

 0.0000, 0.0000,

0.3144

0.0000

264.3706, 0.2655,
0.3154

■ 33.2922, 0.2220,
0.2992

■ 33.2922, 0.2220,
0.2992

■ 32.1182, 0.2174,
0.2949

■ 34.6717, 0.2285,
0.3035

■ 31.1107, 0.2144,
0.2907

■ 36.2764, 0.2369,
0.3077

■ 30.8997, 0.2138,
0.2898

■ 38.1278, 0.2471,
0.3119

■ 40.2435, 0.2588,
0.3159

■ 42.6396, 0.2719,
0.3197

■ 45.3309, 0.2860,
0.3233

■ 48.3308, 0.3008,
0.3266

■ 51.6522, 0.3161,
0.3296

■ 55.3072, 0.3315,
0.3324

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.2922, 0.2458, 0.3501



33.2922, 0.2220, 0.2992



33.2922, 0.2202, 0.2629

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



33.2922, 0.2220, 0.2992



33.2922, 0.3316, 0.2716



33.2922, 0.3858, 0.4156

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



33.2922, 0.2220, 0.2992



14.2139, 0.5622, 0.3471

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



33.2922, 0.4136, 0.3855



33.2922, 0.2220, 0.2992



33.2922, 0.3818, 0.3051

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



33.2922, 0.2220, 0.2992



33.2922, 0.2797, 0.2508



33.2922, 0.4127, 0.3455



33.2922, 0.3395, 0.4230

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.2922, 0.2220, 0.2992



33.2922, 0.2313, 0.2500



33.2922, 0.4127, 0.3455



33.2922, 0.3977, 0.4074

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



33.2934, 0.2220, 0.2992



78.4287, 0.2780, 0.3213



37.2096, 0.2958, 0.5518



16.5008, 0.2730, 0.3200



95.5105, 0.3127, 0.3290



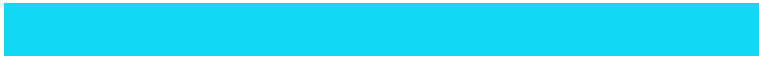
19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.2934, 0.2220, 0.2992



56.2858, 0.2153, 0.2921



12.9607, 0.1878, 0.1675



10.6047, 0.2985, 0.3261



20.8620, 0.2140, 0.2904



0.8740, 0.2168, 0.3004

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



15.4128, 0.3450, 0.1823



24.7873, 0.3522, 0.1736



27.6631, 0.4694, 0.4366



9.6756, 0.3156, 0.3091



9.1357, 0.3540, 0.1724



0.3636, 0.3450, 0.1674

Previews

White Background



This preview shows how the Yxy color 33.2922, 0.2220, 0.2992 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 33.2922, 0.2220, 0.2992 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

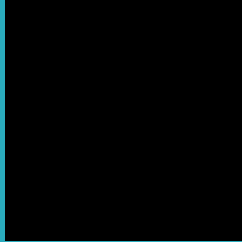
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

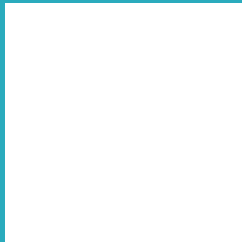
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.2922, 0.2220, 0.2992

Background



This preview shows how black text looks on a background with the Yxy color 33.2922, 0.2220, 0.2992.

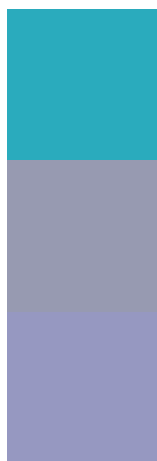


This preview shows how white text looks on a background with the Yxy color 33.2922, 0.2220, 0.2992.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

33.2922, 0.2220, 0.2992

Protanopia

32.8648, 0.2896, 0.2951

Deuteranopia

32.7908, 0.2757, 0.2705



Tritanopia

33.4816, 0.2232, 0.3056

Trichromacy



Original Color

33.2922, 0.2220, 0.2992

Protanomaly

31.8573, 0.2549, 0.2957

Deuteranomaly

31.9816, 0.2476, 0.2781

Tritanomaly

33.5440, 0.2229, 0.3040

Monochromacy



Original Color

33.2922, 0.2220, 0.2992

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

25.9672, 0.2637, 0.3165

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2922, 0.2220, 0.2992 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(42, 171, 189)` looks like.

```
.text, #text, p{  
    color:rgb(42, 171, 189)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(42, 171, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 171, 189) }
```

Border

The CSS property to change the border of an element to Yxy 33.2922, 0.2220, 0.2992 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(42, 171, 189) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(42, 171, 189) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(42, 171, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 171, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 171, 189);  
box-shadow:4px 4px 4px 4px rgb(42, 171,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2922, 0.2220, 0.2992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 171, 189) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(42, 171,  
189) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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